

PROCESS FOR ADSORPTION OF ORGANIC COMPOUNDS, AND  
ADSORBENTS OF PULVERULENT RUBBER

ABSTRACT OF THE DISCLOSURE

The present invention provides an adsorbent, that includes a pulverulent rubber, which contains at least one filler selected from the group including natural filler, synthetic filler, organic filler, inorganic filler, and mixtures thereof. Another embodiment of the invention relates to an article or apparatus selected from the group including a cushion, hose, suction boom, stationary bed column, suspension reactor, and fluidized bed reactor, that contain the above-noted adsorbent. Another embodiment of the invention provides a process, 10 that includes adsorbing at least one organic compound with the above-noted adsorbent. The present invention is a readily usable and effective adsorbent, and has a high capacity, permits an efficient mass transport in the individual adsorbent particles, and has a resistance to fouling by adsorption of higher molecular weight substances or by swelling processes, and is resistant to being wetted by water and to coadsorption of water. The present invention is particularly effective for the absorption of organic compounds such as oils suspended in water, whether they are heavy or light oils.

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